BXUVC.Z642
Fire Resistance Ratings

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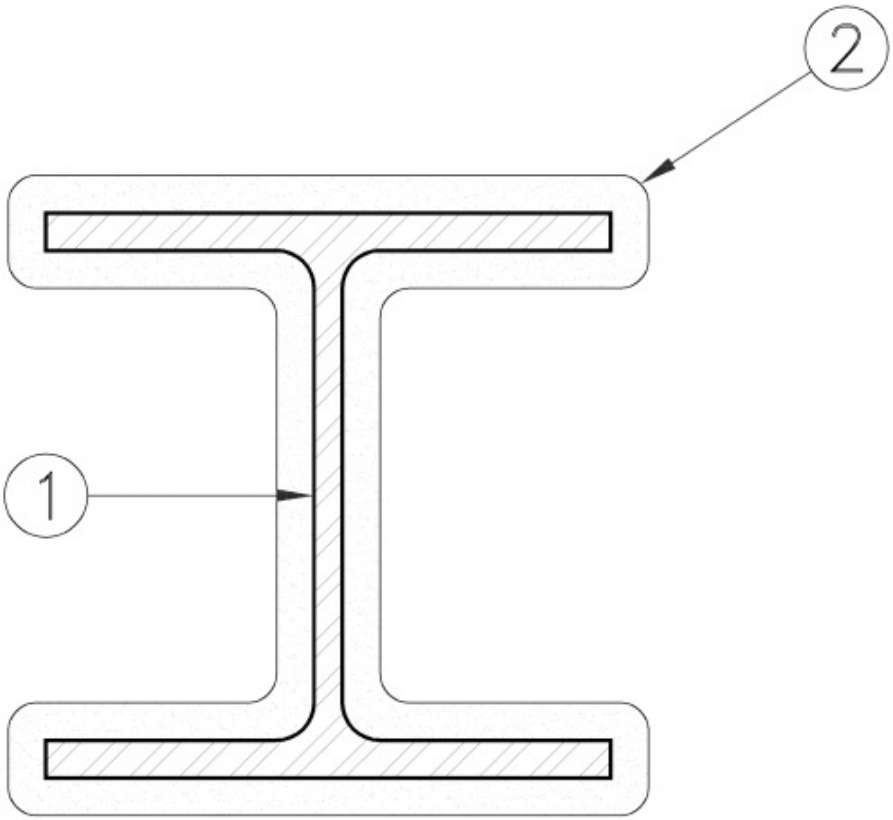
Fire Resistance Ratings

See General Information for Fire Resistance Ratings

Design No. Z642

September 30, 2008

Ratings — 3/4, 1 & 2 h (See Item 2)



1. **Steel Column —** W-shaped columns with M/D as specified in Item 2. Columns should be free of dirt, loose scale and oily deposits. Columns should be primed with an alkyd based primer and as per the coating manufacturer's specification and instructions.

2. **Thin-Film Intumescent Coatings —** CAVCC (Guide No. 40 U18.12.9). Intumescent coating designated "3M FireDam Intumescent Coating WB1000" applied in accordance with manufacturer's instructions to the minimum dry film thicknesses shown below:

Ratings, h	Min Column Size	M/D	Required Min Dry Film Thickness, mm
3/4	W 360 x 347	148	0.45
1	W 360 x 347	148	0.53

2	W 360 x 347	148	1.19

M = Mass of column section in kg/m.

D = Heated perimeter of column section, m.

3M CANADA COMPANY

- 3. **Finish Coating —** (Not shown) — Optional — For Interior General Purpose and Interior Conditioned Space Purpose, Type "Sherwin Williams Steel-Master 9500" or "ICI Devflex HP 4216". Top Coat applied over intumescent coating (Item 2) to max 0.08 mm dry film thickness.

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